

12

Papers Presented and Participation of the Institute at the Conferences/Workshops, Etc.

RESEARCH PAPERS PRESENTED

- **2nd Annual Conference of Indian Society of Agri-Business Management on "Managing Agri-Food Supply Chain" at IIM, Lucknow during 09-11 April 2010**
 - Bhardwaj, SP. Managing supply chain in agricultural sector.
- **National Seminar on the "Survey Results of NSS 63rd Round" held at New Delhi during 02-03 June 2010**
 - Chandra, H, Bhatia, VK and Sud, UC. Small area level estimates for proportion of poor households in the state of Uttar Pradesh in India.
- **Workshop on "Knowledge Discovery for Rural Systems" in the 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining organized at Hyderabad during 21-24 June 2010 using e-conference**
 - Jain, Rajni, Arora, Alka and Ahuja, Usha. Clustering approach to diagnose determinants of ICT empowerment to women farmers.
- **10th International Conference of "Economic Modelling" held at Istanbul, Turkey during 07-10 July 2010**
 - Kaul, Sushila. Agricultural credit cooperatives of India.
- **10th International Industrial Conference on "Data Mining" held during 12-14 July 2010 at Berlin, Germany**
 - Ahuja, Sangeeta. Robust clustering using discriminant analysis.
- **Second Meeting for "Setting up Horticulture Information System (HIS)" under the Chairmanship of Dr. HP Singh, DDG (Horticulture), ICAR on 21 July 2010 held at Krishi Bhawan, New Delhi**
 - Ahmad, Tauqueer. Methodological issues relating to horticulture surveys in India.
- **National Workshop on "Improvement of Agricultural Statistics" organized by Department of Economics and Statistics, Ministry of Agriculture at NASC Complex, New Delhi during 07-08 September 2010**
 - Ahmad, Tauqueer. Variation between official and trade estimates of cotton production: Causes and remedies.
- **17th Annual Group Meeting of "All India Co-ordinated Research Project on Rapeseed and Mustard" organized at Rajmata Vijayaraje Scindia Krishi Vishwa Vidhyalaya, Gwalior during 01-03 September 2010**
 - Parsad, Rajender and Gupta, VK. Efficient design and analysis of rapeseed-mustard trials.

Invited Talk

- Parsad, Rajender and Gupta, VK. Efficient design and analysis of rapeseed-mustard trials.

- **5th International Conference on “Agricultural Statistics” held at Kampala, Uganda during 13-15 October 2010**
 - Bhatia, VK. Teaching and training in agricultural statistics.
 - Chandra, Hukum, Sud, UC and Salvati, Nicola. Estimation of district level poor households in the state of UP in India by combining NSSO survey and census data.
- **20th Swadeshi Science Congress (SSC) held during 06-08 November 2010 at CMFRI, Kochi**
 - Srinivasan, K, Ashokan, PK, Varghese, Eldho and Ajayghosh, V. Influence of intercropping multipurpose trees and water harvesting structures on the performance of coconut trees in coconut based gardens, Kerala
- **4th Indian Horticultural Congress held during November 18-21, 2010 in New Delhi**
 - Chakraborti, Kalyan, Paul, Amrit Kumar, Ray, Sujit Kumar and Samanta, Arunava. Evaluation of different planting systems in mango under gangetic alluvial zone of West Bengal
- **Technical Session III of the National Seminar on “Interface between Statistics, Mathematics and Allied Sciences” at Department of Statistics, Kumaun University, S.S.J. Campus, Almora during 20-22 November, 2010**

Plenary Talk

 - Sud, UC. Calibration estimators
- **Workshop on "Geostatistics and Softcomputing Techniques for Spatial Data Management" held at Sri Venkateshwara University, Tirupati during 22-24 November 2010**
 - Sahoo, Prachi Misra. Spatial statistics in geoinformatics for agricultural research and development.
- **24th National Conference on Agricultural Marketing during 23-25 November 2010 at Navsari Agricultural University, Navsari, Gujarat**
 - Bhardwaj, SP and Kumar, Ashok. Econometric study of asymmetry in transmission of market information.
 - Kumar, Ashok and Bhardwaj, SP. A study of institutional linkages for enhancing rural credit flow.
- **70th Annual Conference of Indian Society of Agricultural Engineering at Jammu University, Jammu & Kashmir during 29 November-01 December 2010**

Invited Talk

 - Kaul, Sushila, Singh, DR, Singh, Rajender and Kumar, Arbind. Rearing of migratory sheep as a livelihood and food security in hill economy: A case study of Kangra district of Himachal Pradesh.
- **National Symposium on "GIS and Remote Sensing in Infrastructure Development" during 01-03 December 2010 held at Lonavala**
 - Sahoo, Prachi Misra. Crop acreage estimation in north-eastern hilly region using remote sensing, GIS and survey data.
- **64th Annual Conference of the Indian Society of Agricultural Statistics on “Statistics and Informatics for Massive Data Sets” held at Bidhan Chandra Krishi Viswavidyalaya, Kalyani during 03-05 December 2010**

Invited Talk

 - Arora, Alka, Jain, Rajni and Upadhyaya, Shuchita. Blending rough sets and clustering methods for discovery of patterns.
 - Agrawal, Ranjana and Chandahas. Use of data reduction techniques in crop yield forecasts.
 - Parsad, Rajender. Strengthening statistical computing for NARS.

Contributed Papers

 - Dash, Sukanta, Parsad, Rajender and Gupta VK. Efficient designs for single factor microarray experiments.
 - Dutta, Debasis, Mahajan, VK and Rai, Anil. Design and development of data mart for consumption expenditure survey data.
 - Ghosh, Himadri and Prajneshu. Statistical learning theory for fitting multimodel distribution to rainfall data: An application.
 - Gupta, VK, Kole, Basudev, Chatterjee, Kashinath and Parsad, Rajender. Construction of optimal multi-level supersaturated designs by association scheme.
 - Kumar, Amrender and Lakshmi, Ratna Raj. Application of soft computing techniques in

- identifying relationship for multi-dimensional data sets.
- Laxmi, Ratna Raj and Kumar, Amrender. Weather based forecasting model for crops yield using neural network approach.
- Varghese, Eldho and Jaggi, Seema. Response surface model with neighbour effects.
- **International Conference on “Development and Applications of Statistics in Emerging Areas of Science & Technology” held during 08-10 December 2010 hosted by Department of Statistics, Jammu**
 - Alka, Sahu, TK, Kumar, CP, Bansal, D, Behera, BK and Rao, AR. In silico analysis of vitellogenin gene for abiotic stress tolerance – anoxia.
 - Chaturvedi, A and Alam, Wasi. Maximum likelihood and uniformly minimum variance unbiased estimators for reliability estimation of a family of lifetime distribution.
 - Sagar, P, Alka, Vashisht, S and Rao, AR Characterization of 5’ splice sites of bovine genome.
 - Sarkar, RK, Rao, AR, Wahi, SD and Bhat, KV. Clustering of crop genotypes based on mixture of qualitative and quantitative data.
 - Srivastava, Sudhir, Varghese, Cini, Jaggi, Seema and Varghese, Eldho. Diallel cross designs for comparing test versus control line(s).
 - Varghese, Eldho and Jaggi, Seema. Response surface methodology with differential neighbour effects.
- **XXIX Biennial Workshop of the “AICRP on Integrated Farming Systems” held at ANGRAU, Hyderabad during 10-13 December 2010**

Invited Talk

 - Parsad, Rajender. Design and analysis of crop sequence experiments: Some experiences
 - Sharma, NK. Some observations which are restricting the comprehensive analysis of data.
 - Khanduri, OP. On-line demonstration of information system for on-farm experiments.
- **International Conference on “Financial Derivatives” during 17-19 December 2010 at Department of Commerce, Pondicherry University, Pondicherry**
 - Bhardwaj, SP and Vasisht. Market efficiency in commodity futures - A case study of mentha oil.
 - Bhardwaj, SP. Price volatility in agricultural commodities.
- **19th International Conference of the Forum for Interdisciplinary Mathematics (FIM) on “Interdisciplinary Mathematical and Statistical Techniques” organised by the Department of Statistics, Patna University, Bihar during 18-20 December 2010**
 - Ahmad, Tauqueer, Rai, Anil, Bathla, HVL and Sharma, SD. Methodological issues relating to horticulture surveys in India.
 - Biswas, Ankur Ahmad, Tauqueer and Rai, Anil. Variance estimation using Jackknife method in ranked set sampling under finite population framework.
 - Sud, UC. Estimation of district level poor households in the state of Uttar Pradesh in India by combining NSSO survey and census data.
- **16th National Conference of “Agricultural Research Statisticians” held at IASRI, New Delhi during 23-24 December 2010**
 - Ahmad, Tauqueer. Agricultural statistics research with special emphasis on sample survey: Status and challenges.
 - Arora, Alka. Priorities for human resource development in computer applications.
 - Dahiya, Shashi. An eLearning system for agricultural education.
 - Jaggi, Seema. Priorities for human resource development in agricultural statistics.
 - Prajneshu and Ghosh, Himadri. Priorities for research in statistical modelling: Current status and future challenges.
 - Rai, Anil. Priorities of research in agricultural bioinformatics.
 - Sudeep. Knowledgebase systems in agriculture: Opportunities and challenges.
- **98th Session of “Indian Science Congress” at SRM University, Chennai on 4 January 2011**
 - Islam, SN. Expert system on seed spices: An ICT initiative for knowledge management in agriculture.

- **International Conference on "Managing Sustainable Development of Rural Economy and Agri Business" at BHU, Varanasi, during 21-23 January 2011**
 - Kaul, Sushila. Status and growth of agribusiness management in India.
 - **13th Conference of "Society of Statistics, Computer and Applications" held at NAARM, Hyderabad during 24-26 February 2011**

Invited Talk

 - Gupta, VK. Combinatorics in controlled sampling (Special Evening Lecture).
 - Parsad, Rajender and Gupta, VK. Design Resources Server and service oriented computing.

Contributed Papers

 - Ramasubramanian V, Kumar, Amrender, Bhatia, VK and Premi, Sarvesh Kumar. Technology forecasting applications for prioritizing factors in rainfed agriculture.
 - Sarkar, Susheel Kumar, Krishan Lal, Parsad, Rajender and Gupta, VK. Generation of fractional factorial experiments robust against linear-trend.
 - **National Seminar on "Recent Developments in Sampling Techniques and its Application" organized by Maharashi Dayanand University, Rohtak during 26-27 March 2011**

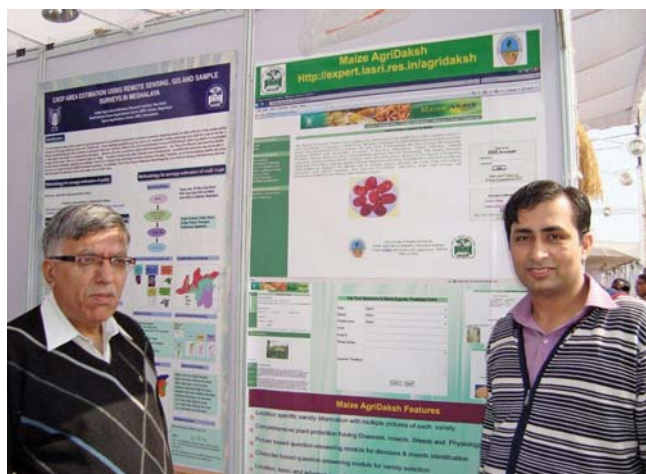
Invited Talk

 - Parsad, Rajender. Optimal controlled sampling plans.
 - Sud, UC. Small area estimation and its application.
- PARTICIPATION**
- Conferences/Workshop/Brainstorming Sessions**
- International conference on Dynamics of rural transformation in emerging economies at New Delhi during 14-16 April 2010
 - National conference on Knowledge management in the globalized era at NASC Complex, New Delhi during 21-23 April 2010 organized by Association of Agricultural Librarians and Documentalist of India
 - Brain storming session on Survey on measuring outcomes for Children at National Academy of Statistical Administration; Greater Noida on 29 April 2010
 - XI AICRP workshop at NRCSS, Ajmer during 05-06 July 2010
 - Talk on Role of biotechnology for conservation and use of plant genetic resources by Dr. Emile Frison, Director General, Biodiversity International on 27 July 2010 at NASC Complex, New Delhi
 - Regional workshop on FAO project on Establishment of National information sharing mechanisms on the implementation of global plan of action on 30 August 2010 at IASRI, New Delhi
 - Meeting of First India-US Agriculture Dialogue Steering Committee Working Groups III: Crop and weather forecasting on 14 September 2010 at Hyderabad House, New Delhi
 - Meeting with Dr. Dath K Mita Crop Assessment Analyst, USDA States Department of Agriculture, Foreign Agricultural Service, Derrick Williams III, Director, Office of Global Analysis and David Leishman, Senior Allache for Agricultural Affairs, India, Bangladesh, Sri Lanka in connection with First India-US Agriculture Dialogue Steering Committee Working Groups III: Crop and Weather Forecasting on 20 September 2010 at Mausam Vibhag, New Delhi
 - International Convention on Special economic zones-policy perspectives & future scenario organized by ASSOCHAM at Hotel Le Meridian, New Delhi on 23 September 2010
 - Hort-informatics workshop at IISR Calicut during 11-12 October 2010 and a presentation was made related to National Agricultural Bioinformatics Grid
 - A lecture on the role of information technology in agriculture delivered by Professor Robert A. Easter, The Chancellor and Provost (Interim) of the University of Illinois held on 15 October 2010 at NASC Complex, New Delhi
 - Rashtriya karyashala at National Academy of Agricultural Research Management, NAARM, Hyderabad on 29 October 2010
 - National Science Congress in Indian Languages held at NPL, New Delhi during 22-23 November 2010

- Seminar on Forward market commission held at IIML-Noida Campus during 27-28 January 2011
- 15th Conference of Commonwealth statisticians at Vigyan Bhawan, New Delhi on 07 February 2011
- 14th National conference on e-governance organized by Department of Administrative Reforms and Public Grievances, Govt. of India as a Panelist in the Plenary Session-IV "ICT in Agriculture" at CIDCO, Natyagraha, Aurangabad held during 10-11 February 2011
- Meeting of the Technical Advisory Committee (TAC) at national level constituted for implementation of National Agricultural Insurance Scheme (NAIS) in the country at Krishi Bhawan, New Delhi on 14 February 2011
- Workshop on Results-Framework Documents (RFD) for Responsibility Centers (RCs) at Vigyan Bhawan, New Delhi on 22 February 2011
- Brainstorming workshop on Prospects of nanotechnology in agri-value chain at NAARM, Hyderabad on 22 February 2011
- Workshop cum meeting on E-publishing of research journals - A way forward on 26 March 2011 at NASC Complex, New Delhi

Krishi Vigyan Mela

- Institute participated in the Krishi Vigyan Mela held at IARI, New Delhi during 03-05 March 2011. Maize Agridaksh, Expert System on Seed Spices and Expert System on Wheat Crop Management were



IASRI stall at Krishi Vigyan Mela, IARI, New Delhi

demonstrated to visitors, researchers and farmers on the touch screen computers. Posters on several other research achievements such as Strengthening Statistical Computing for NARS, National Agricultural Science Museum etc., were exhibited at the stall and the visitors were given leaflets and encouraged to use the web-sites.

Participation in Training Programmes

International

- Sh. Amrender Kumar was deputed to attend International training programme on Technology Forecasting at Pennsylvania State University, University Park, PA, USA from 22 April to 14 June 2010 under NAIP project "Visioning, Policy Analysis and Gender (V-PAGe) - Component II : Technology Forecasting"
- Sh. SB Lal and Smt. Anu Sharma were deputed to attend three months International training programme on Crop Science Bioinformatics at Iowa State University, Iowa, USA from 15 March to 14 June 2010. The training was sponsored by NAIP component-I
- Dr. H Ghosh attended the NAIP Training programme on "Multimarket Modelling for Policy Analysis" during 15 May to 15 August 2010 at Department of Economics, Southern Illinois University, Carbondale, USA. He studied the indirect effects of policy change of price on quantity produced and consumed of rice along with maize in terms of partial demand and supply elasticity in multimarket model set up
- Smt. Anshu Bharadwaj was deputed to attend three months International Training Course in Geo-information Science and Earth Observation - Principles and Applications of Remote Sensing and GIS from 23 September 2010 to 17 December 2010 at the ITC, Faculty for Geo-Information Science and Earth Observation, University of Twente, Hengelosestraat, Netherlands, under NAIP
- Dr. AR Rao is deputed for undergoing training in the area of Bioinformatics, in the Genomics Coordinating Centre (GCC) of Dr. Bruce S Weir, Professor & Chair, Department of Biostatistics, University of Washington, Seattle, USA from 24 February 2011 to 23 May 2011

National

- Training programme on Creative Writing in Agriculture held at Indian Institute of Mass Communication (IIMC), Dhenkanal, Orissa during 10-15 May 2010 at IIMC, Delhi during 14-18 February 2011 and 28 February-04 March 2011



A participant receiving Certificate for Creative Writing in Agriculture at IIMC, New Delhi

- All India training for trainers on Methodology for integrated sample survey scheme organized by the Department of Animal Husbandry, Dairying and Fisheries, Government of India, New Delhi at IASRI, New Delhi on 18 June 2010
- Intensive maize training for freshers organized by Directorate of Maize Research, New Delhi during 11-13 October 2010
- Basics of remote sensing, GIS and GPS offered by Indian Institute of Remote Sensing (IIRS) through satellite interactive terminal facility available in the Division of Agricultural Physics, IARI, New Delhi during 11 October-10 December 2010
- Training workshop on Bioinformatics in crop improvement at NBPGR, New Delhi during 19-25 October 2010 organized under NABG, NAIP
- Training-cum-workshop on Parallel computing and high performance computing at Centre for Development of Advanced Computing (C-DAC), Pune under the project National Agricultural Bioinformatics Grid during 07-10 February 2011
- Subject training on Bioinformatics for animal genomics and proteomics at NBAGR, Karnal from 24 February to 9 March 2011
- Subject training on Crop gene expression data analysis and structural bioinformatics organized during 01-11 March 2011 at NBPGR, New Delhi
- Subject training on Data mining and computational methods in bioinformatics for microbiological research organised during 04-15 March 2011 at NBAIM, Mau
- Training programme on Quantifying the impact of climate change on agriculture at NCAP, New Delhi during 21-25 March 2011

Invited Lectures Delivered at Other Organisations

Dr. VK Bhatia

- A lecture on Descriptive statistics and exploratory data analysis during the training programme on Research Methodology for Socio-Economic Studies organized during 19 October-04 November 2010 at National Council of Applied Economic Research (NCAER), New Delhi.

Dr. VK Gupta

- A lecture on Resolvable block designs in a UGC Refresher Course in Statistics and Mathematics organised during 10-30 November 2010 held at Kumayun University, Almora

Dr. Prajneshu

- Two lectures on Nonlinear time-series models and Fuzzy linear regression models at IIFT, Kolkata on 26 April 2010
- Two lectures on Nonlinear statistical models and their applications on 15 March 2011 at Miranda House, University of Delhi

Dr. Ranjana Agrawal

- A lecture on Preharvest forecast of crop yield-IASRI approach in a training programme on Use of crop simulation models for yield forecasting under FASAL project at IMD, Mausam Bhawan, New Delhi for the Senior Research Fellows working at various AAS units of IMD during 17-28 January 2011

Dr. Rajender Parsad

- Two lectures on Analysis of α -designs and Design resources server to the participants of the travels workshop organized by ICAR National Professor Research Unit in collaboration with Department of Statistics, College of Basic Sciences, CCS HAU, Hisar at Hisar on 16 April 2010

- Two lectures on Fundamentals of design of experiments to the participants of the training programme on Maize Training for Fresher organized at Directorate of Maize Research, New Delhi during 11-13 October 2010
- Two lectures on Design of experiments and analysis of data using statistical software to the participants of the Winter School on Designing Nutraceutical and Food Coolant Rich Vegetable Crop Plants organized by Division of Vegetable Science, IARI, New Delhi during 15 October-04 November 2010
- Two lectures on Fundamentals of design of experiments to the participants of the Winter School on Recent advances in Chemical and Non-chemical Approaches of Weed Management in Cropped and Non-cropped Areas organized during 15 November-06 December 2010 at Division of Agronomy, IARI, New Delhi
- Three lectures on Statistics: Introduction and concepts; fundamentals of design of experiments and design resources server to the participants of the training programme on Data Analysis Using SAS held at JNKVV, Jabalpur by DWM, Bhubaneswar during 24-29 January 2011
- Two lectures on Design and analysis of microarray experiments and JMP genomics: Statistics work flow to the participants of training programme on Crop Gene Expression Data Analysis and Structural Bioinformatics under NAIP Consortium on Establishment of National Bioinformatics Grid organized at NBPGR, New Delhi during 01-10 March 2011
- Two lectures on design resources server and service oriented computing to the participants of the training programmes on Data Analysis Using SAS held at CIRB Hisar organized by Consortium partner NDRI, Karnal during 07-12 March 2011 at NDRI Karnal during 22-28 March 2011
- Four lectures on Statistics introduction and concepts; Fundamentals of design of experiments; design resources server and Service oriented computing and Base SAS to the participants of the training programme on Statistical Data Analysis Using SAS organized by NRC AF, Jhansi in technical collaboration with NAIP Consortium on Strengthening Statistical Computing for NARS during 14-18 March 2011

Dr. UC Sud

- A lecture on Agricultural statistics in India in training programme on Official Statistics at National Academy of Statistical Administration, Greater Noida (UP) during 05–09 July 2010
- A lecture on Application of sample survey in agricultural statistics in a five-week training programme on Official Statistics for ISS probationers at National Academy of Statistical Administration, Greater Noida (UP) during 05 July – 06 August 2010
- A lecture on Small area estimation in a refresher course in Statistics and Mathematics for university/college teachers organized by the Academic Staff College, Kumaun University, Nainital during 10-30 November 2010
- A lecture on Challenges of agricultural statistical system in the National Academy of Administration System at Greater Noida on 28 December 2010

Dr. KK Tyagi

- A lecture on Determination of sample size to the participants of a Biostatistical workshop on Sample Size Analysis organized by the Department of Biostatistics, PGIMER, Chandigarh on 27 August 2010
- Two lectures on Sampling strategies for data collection in the training programme on Research Methodology for Socio-Economic Studies organized from 19 October to 04 November 2010 at NCAER

Dr. Anil Rai

- A lecture on Impact analysis of goat rearing in training programme for Veterinary officers of Bihar Government on 13 April 2010 at Central Research Institute on Goat, Mathura
- A lecture on Synonymous codon usage in the sensitization training programme under NABG project at NBFGR, New Delhi during 24-28 January 2011
- A lecture on Logistic regression modeling using SPSS/SAS of survey data at Computer Centre, Ministry of Statistics and Plan Implementation, New Delhi on 24 February 2011
- A lecture on Statistical analysis of gene expression the subject training on Bioinformatics for Animal Genomics and Proteomics at NBAGR Karnal during 24 February-09 March 2011

- A lecture on Synonymous Codon usage in microbes in the subject training on Data Mining and computational methods in Bioinformatics for Microbiological Research at NBAIM, Mau during 04-15 March 2011
- A lecture on Categorical data analysis and logistic regression in sample surveys in refresher training course on SPSS for Senior ISS officers at Computer Centre, Ministry of Statistics and Programme Implementation, New Delhi during 22-26 March 2010

Dr. SP Bhardwaj

- Two lectures on Price discovery in commodity markets and Price volatility in agricultural commodities in a UGC sponsored Faculty Development programme held at Department of Commerce, Pondicherry University, Pondicherry during 25-26 September 2010

Dr. Krishan Lal

- Five lectures on Design resources server, Descriptive statistics, Test of significance, Correlation and regression and Design of experiments as a Guest Faculty to the participants of the training programme on Strengthening Statistical Computing for NARS using SAS held at MPUA&T, Udaipur during 22-27 November 2010
- Five lectures on Design resources server, Descriptive statistics, Test of significance, Correlation and regression, Principal component analysis, Cluster analysis, Repeated measures analysis and Design of experiments as a Guest Faculty to the participants of the training programme on Strengthening Statistical Computing for NARS using SAS held at MPUA&T, Udaipur during 14-19 February 2011

Dr. Seema Jaggi

- Two lectures on Correlation and regression analysis and Testing of hypothesis and also conducted practical sessions on these topics using SPSS during a training programme on Basic Statistics and Application of SPSS from 30 August to 06 September 2010 at Recruitment and Assessment Centre, Defence Research and Development Organization, Delhi
- Two lectures on Correlation and regression analysis, and Testing of hypothesis on 26 October 2010 in a training programme on Research

Methodology for Socio-Economic Studies at NCAER

Dr. AR Rao

- A lecture on Bioinformatics in the session Natural Resource Management and Engineering during Interactive session on “Biotechnology Research in ICAR” held at NASC Complex on 26-27 July 2010
- A lecture on Statistical and computational genomics lab facility at Central Rice Research Institute, Cuttack on 30 August 2010
- Two lectures on Multivariate analytical techniques: PCA, factor analysis, cluster analysis and exercises on multivariate analytical techniques using SPSS during a training programme on Basic Statistics and Application of SPSS from 30 August to 06 September 2010 at Recruitment and Assessment Centre, Defence Research and Development Organization, Delhi
- A lecture on Application of bioinformatics tools in analysis of genome structure of eucaryotes to the participants in the National Training Programme organized by National Bureau of Plant Genetic Resources, New Delhi on Bioinformatics in Crop Improvement during 19-25 October 2010
- Two lectures on Multivariate analytical techniques: data reduction techniques and data classificatory techniques to the participants in the training programme on Research Methodology for Socio-Economic Studies organized by NCAER during 19 October to 04 November 2010
- Two lectures on Multivariate analysis during one week training programme on SPSS for ISS officers and seniors officers of the State/UTs, Ministry of Statistics and Programme Implementation, New Delhi during 6-10 December 2010

Dr. Cini Varghese

- Two lectures on Nonparametric tests and also conducted practical session using SPSS during a training programme on Basic Statistics and Application of SPSS from 30 August to 06 September 2010 at Recruitment and Assessment Centre, Defence Research and Development Organization, Delhi

Dr. Ramasubramanian V.

- A lecture on Statistical aspects of risk assessment modelling in the training workshop on Decision



Support Tools for Agriculture Risk and Management at NCAP, New Delhi during 2-5 August 2010

- A lecture on Time series models for price forecasting in the workshop on Quantitative Modeling Approaches for Economic Policy Analysis in Agriculture at NCAP, New Delhi during 12-13 August 2010
- Two lectures on Logistic regression and Time series analysis in the training programme on Recent Methodology for Socio-economic Studies conducted at NCAER, New Delhi held during 19 October-4 November 2010
- A lecture on Use of models in crop-weed competition studies in the winter school on Recent Advances in Chemical and Non-chemical Approaches of Weed Management in Cropped and Non-cropped Areas conducted at Division of Agronomy, IARI, New Delhi during 15 November- 6 December 2010
- Five lectures on Time series analysis using SAS, Non-linear models viz. growth models, logistic regression and probit models using SAS, Design Resources Server of IASRI-SAS aspects and Use of SAS macros in the training programme on Data Analysis using SAS at ICAR Research Complex for NEH region, Umiam, Meghalaya during 7-11 March 2011

Dr. Prachi Misra Sahoo

- A lecture on Spatial statistics and its applications in agriculture in winter school on Remote Sensing with Special Emphasis on Input use Efficiency held in the Division of Agricultural Physics, IARI, New Delhi during 15 February-11 March 2011

Dr. Sudeep

- A lecture on Expert system for maize crop in the Intensive Maize training programme for freshers at DMR, New Delhi on 13 October 2010
- Conducted two days training at IASRI during 15-17 January 2011 as a part of 21 days CAFT training programme entitled Innovative Extension Models for Sustainable Agriculture organized at Division of Agricultural Extension, IARI during 04-24 January 2011

Sh. KK Chaturvedi

- A lecture on Multimedia and Sharable Content Object Reference Model in MOODLE during one day workshop on Computerization of Research Project Information (RPF-I) and Content

Management for E-Learning System using MOODLE at NDRI, Karnal on 26 April 2010

- Two lectures on Data organization and management and the Modules of DSS in the training programme held at NCAP, New Delhi during 2-5 August 2010
- A lecture on Design and management of biological databases at NBPGR, New Delhi in training on Bioinformatics in Crop Improvement during 19-25 October 2010

Sh. SN Islam

- A lecture on Importance of expert system for seed spices during a training programme Seed Spices Cultivation in the Dry land Area at Hyderabad organized during 14-15 November 2010
- A lecture on Expert system at Holy Cross KVK, Hazaribagh (Jharkhand) on 26 November 2010

Sh. HO Aggarwal

- A lecture on Knowledge management for varieties, insects, pests and diseases in Agridaksh in the training programme Innovative Extension Models for Sustainable Agriculture, conducted by Agricultural Extension Division of IARI during 04-24 January 2011

Sh. Pal Singh

- Two lectures on MS Front page and involved in practical sessions in 21 days CAFT training programme entitled Innovative Extension Models for Sustainable Agriculture organized at IARI Extension Division during 04-24 January 2011

Dr. N Sivaramane

- Two lectures on Regression analysis with qualitative variables and Demand analysis in a training programme on Research Methodology for Socio-Economic Studies held at National Council of Applied Economic Research (NCAER), New Delhi during 19 October-04 November 2010
- Four lectures on Base-SAS at University of Agricultural Science, Bangalore during 17-18 January 2011
- Two lectures on Efficiency analysis using data envelopment analysis program and stationarity and cointegration analysis using evIEWS in a training on Institutional Change for Inclusive Agricultural Growth

held at Division of Agricultural Economics, IARI during 15 February-7 March 2011

Sh. SB Lal

- A lecture on Computer basics for bioinformatics in sensitization training on Bioinformatics in Crop Improvement (under NABG, NAIP) organized at NBPGR, New Delhi during 19-25 October 2010

Smt. Anu Sharma

- A lecture on Basics of computer programming in bioinformatics during training on Bioinformatics in Crop Improvement organized at NBPGR, New Delhi during 19-25 October 2010

Sh. Wasi Alam

- A lecture on R and its application in bioinformatics on 12 March 2011 at NBPGR, New Delhi

Sh. Amrender Kumar

- A lecture on Pre-harvest forecast of crop yield- IASRI approach (Practical)-training programme on Use of Crop Simulation Models for Yield Forecasting under FASAL project during 17-28 January 2011 at IMD, Mausam Bhawan, New Delhi
- Forty Four lectures on Probability and statistics-school of computer and systems sciences, Jawaharlal Nehru University (JNU), New Delhi in the academic session of 2010-11

Sh. Eldho Varghese

- Two lectures on Descriptive statistics and conduct practical session on Descriptive Statistics using SPSS during a training programme on Basic Statistics and Application of SPSS from 30 August-06 September 2010 at Recruitment and Assessment

Centre, Defence Research and Development Organization, Delhi

- Two lectures on SPSS for Multivariate analysis under a refresher training programme on SPSS for ISS officers and senior officers of the states/UTs organised by Ministry of Statistics and Programme Implementation, Government of India during 21-25 February 2011

VISIT ABROAD

- Dr. VK Bhatia was deputed to attend the ISO/TC/69 Technical Committee/ Sub-Committees and Working Groups held at Paris, France during 14-18 June 2010
- Dr VK Bhatia and Dr UC Sud were deputed to attend 5th International Conference on Agricultural Statistics during 13-15 October 2010 at Kampala, Uganda.
- Dr. Prajneshu visited Department of Mathematics and Statistics, University of North Carolina at Greensboro, USA and delivered two invited talks on Non-linear time-series models and their applications on 03 June 2010 and Fuzzy regression analysis and its applications on 10 June 2010
- Dr. Sushila Kaul visited Bilgi University, Istanbul Turkey to attend 10th Conference of Economic Modelling during 07-10 July 2010
- Dr. Sangeeta Ahuja was deputed to attend International Conference on Data Mining during 12-14 July 2010 at Berlin, Germany

Radio Talk/TV Interview

- डॉ. विजय कुमार भाटिया ने दिनांक 25 जून 2010 को “भारतीय कृषि सांख्यिकी अनुसंधान संस्थान किसानों के हित में” विषय पर चर्चा की।